



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,209	10/23/2003	Scott P. Saunders	200304413-2	8205

7590 11/22/2005

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

CAO, CHUN

ART UNIT PAPER NUMBER

2115

DATE MAILED: 11/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/692,209

Applicant(s)

SAUNDERS ET AL.

Examiner

Chun Cao

Art Unit

2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9, 11-16 and 18-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 11-16 and 18-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/23/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-9, 11-16 and 18-20 are presented for examination.
2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The current title is imprecise.

Claim Rejections - 35 U.S.C. § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-4, 6-8, 16 and 18- 20 are rejected under 35 U.S.C. 102(e) as being anticipated by Kolinski et al. (Kolinski), U.S. Patent No. 6,092,207.

Kolinski is a prior art reference cited by applicant.

As per claim 1, Kolinski discloses a computer system [fig. 1] comprising:

an expansion bus that includes a plurality of expansion bus signals; a bus bridge couple to the expansion bus [fig. 1; col. 1, lines 31-47]; and a signal gate [316, fig. 3] configurable to isolate the bus bridge from one of expansion bus signals [col. 5, lines 14-22, 51-57]; wherein said one of the expansion bus signals is not a power supply voltage [fig. 3; col. 3, lines 63-66; col. 5, lines 51-64].

As per claim 2, Kolinski discloses a computer system [fig. 1] comprising:

an expansion bus that includes a plurality of expansion bus signals; a bus bridge couple to the expansion bus [fig. 1; col. 1, lines 31-47]; and a signal gate [316, fig. 3]

Art Unit: 2115

configurable to isolate the bus bridge from one of expansion bus signals [col. 5, lines 14-22, 51-57];

a controller [280, fig. 3] configured to receive said one of the expansion bus signals and determine to provide a proper power control signals to the power supply [col. 5, lines 27-45. Inherently, Kolinski discloses the controller, which determines one of expansion bus signals, is driven in a non-standard manner].

As per claim 3, Kolinski discloses that one of expansion bus signals is a wake-up signal [col. 3; lines 63-67; col. 5, line 16].

As per claims 4 and 8, Kolinski discloses that the bus bridge is a south bridge [132, fig. 1].

As per claim 6, Kolinski discloses a power management controller [280, fig. 3; col. 3, lines 51-54].

As per claim 7, is written in means plus function format and contain the same limitation as claim 2, therefore the same rejections are applied.

As to claims 16, 18 and 20, are written in means plus function format and contain the same limitation as claims 2-4 and 6 respectively, therefore the same rejections are applied.

Claim Rejections - 35 U.S.C. § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negated by the manner in which the invention was made.

6. Claims 5, 9, 11-15 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kolinski et al. (Kolinski), U.S. Patent No. 6,092,207 in view of Delvaux et al. (Delvaux), U.S. Patent no. 6,477,655.

As to claims 5, 9 and 19, Kolinski does not disclose that one of the expansion bus signal is a power management event (PME#) signal which is determined to be low at a predetermined time delay after a power good signal goes low.

Delvaux discloses that one of the expansion bus signal is a power management event (PME#) signal which is determined to be low at a predetermined time delay after a power good signal goes low [col. 2, lines 55-56; col. 3, lines 46-51; col. 5, lines 2-4, 56-59].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Kolinski and Delvaux because they both disclose a power management system, and Delvaux's teaching of having a PME# signal would increase the reliability of Kolinski; thereby ensure proper power consumption of Kolinski's system.

As to claims 11-15, claims 2-9 basically are the corresponding elements that are carried out the method of operating steps in claims 11-15. Accordingly, claims 11-15 are rejected for the same reason as set forth claims 2-9.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 703-308-6106. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 703-305-9717. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 306-5631.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nov. 15, 2005


CHUN CAO
PRIMARY EXAMINER